

Technical data sheet

PV CombiController V50, plug-in arrester, type 1+2

Item number: 5093726



CombiController upper part – type 1+2, combination arrester for photovoltaic systems

- For surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity to 12.5 kA (10/350) and 50 kA (8/20) per pole
- Low DC voltage protection level: < 1.3 kV per pole (Y circuit: 2.6 kV and Voc max = 600 V DC)
- Plug-in arrester with thermodynamic cut-off unit and visual function display
- Encapsulated, zinc oxide varistor arrester for use in distributor housings
- High current carrying capacity with long lifespan

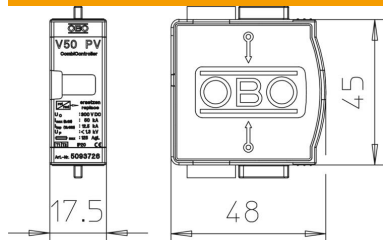
Application: PV systems with lightning protection system
Plug-in arrester



Master data

Item number	5093726
Type	V50-B+C 0-300PV
Description 1	CombiController V50
Description 2	plug-in arrester f. PV systems
Manufacturer	OBO
Dimension	300V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	8.2 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,1893 kg CO2e / 1 Piece

Dimensions



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Arrester surge current (8/20 µs) [total]	30 kA
Response time	<25 ns
Version for	1-pole, PV upper part with Y base to 600 V DC
Pole version	1
Structural width in division units (division unit, 17.5 mm)	1
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 µs)	12.5 kA
Lightning surge current (10/350)	12.5 kA
Function/defect display	Visual
Maximum continuous voltage AC	280 V
Maximum continuous voltage DC	300 V
Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm ²
Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm ²
Lightning protection zone LPZ	0→2
Max. mains-side overcurrent protection	125
Maximum back-up fuse	125 A
Maximum discharge current (8/20 µs)	50 kA
Nominal discharge current (8/20 µs)	30 kA
Nominal discharge current (8/20 µs) [L-N]	30 kA
ROHS-conformant	yes
Protection rating	IP20
Protection level	≤1,3 kV
Protection level [L-N]	≤1,3
SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C